

WHAT IS CLAIMED IS:

- 1 1. A passive matrix organic light emitting diode display system
2 comprising:
3 a plurality of pixels configured for emitting light when energized by
4 one of a plurality of row electrodes and one of a plurality of column
5 electrodes;
6 a plurality of column drivers configured for energizing the plurality of
7 column electrodes;
8 a plurality of row drivers configured for energizing the plurality of
9 row electrodes;
10 wherein at least two of the plurality of row drivers are configured to
11 simultaneously energize at least two of the plurality of row of electrodes.
- 1 2. The display system of Claim 1 wherein at least three of the plurality
2 of row drivers are configured to simultaneously energize at least three of the
3 plurality of row electrodes.
- 1 3. The display system of Claim 1 wherein at least two of the plurality
2 of row drivers are configured to be activated at the same time.
- 1 4. The display system of Claim 1 wherein at least two of the plurality
2 of row drivers are active per duty cycle of the display system.
- 1 5. The display system of Claim 1 wherein at least two of the plurality
2 of row drivers are multiplexed.
- 1 6. The display system of Claim 3 wherein the at least two row drivers
2 are on the same side of the display.

1 7. The display system of Claim 6 wherein each of the plurality of
2 pixels include at least four of the plurality of column electrodes.

1 8. The display system of Claim 7 wherein each of the plurality of
2 pixels include at least eight of the plurality of column electrodes.

1 9. The display system of Claim 8 wherein each of the plurality of
2 column electrodes are in electrical contact with only one of the plurality of pixels.

1 10. A method of displaying information on a passive matrix organic light
2 emitting diode display system comprising, a first column driver having a first
3 column electrode, a second column driver having a second column electrode, a
4 first row driver having a first row electrode, a second row driver having a second
5 row electrode, and a first pixel and a second pixel, the method comprising:

6 energizing the first column driver thereby energizing the first
7 column electrode and energizing the second column driver thereby
8 energizing the second column electrode;

9 energizing the first row driver thereby energizing the first row
10 electrode and energizing the second row driver thereby energizing the
11 second row electrode;

12 subsequently energizing the first pixel at the intersection of the first
13 row electrode and the first column electrode and energizing the second
14 pixel at the intersection of the second row electrode and the second
15 column electrode;

16 wherein the first row driver is energized simultaneously with the
17 second row driver.

1 11. The method of Claim 10 wherein energizing the first row driver and
2 the second row driver comprises energizing the first row driver and the second
3 row driver on the same side of the display system.

1 12. The method of Claim 11 wherein energizing the first column driver
2 and the second column driver comprises energizing the first column driver and
3 the second column driver on the same size of the display system.

1 13. A passive matrix organic light emitting diode display system
2 comprising:
3 means for emitting light;
4 a plurality of row electrodes and a plurality of column electrodes;
5 means for energizing the plurality of column electrodes;
6 first means for energizing a first row electrode of the plurality of row
7 electrodes;
8 second means for energizing a second row electrode of the plurality
9 of row electrodes;
10 wherein the first means for energizing the first row electrode and
11 the second means for energizing the second row electrode are configured
12 to simultaneously energize the first row electrode and the second row
13 electrode.

1 14. The display system of Claim 13 wherein the means for emitting light
2 comprises a plurality of pixels.

1 15. The display system of Claim 14 wherein the means for energizing
2 the plurality of column electrodes comprises a column driver.

1 16. The display system of Claim 15 wherein the first means for
2 energizing the first row electrode comprises a first column driver.

1 17. The display system of Claim 16 wherein the second means for
2 energizing the second row electrode comprises a second column driver.

1 18. The display system of Claim 17 wherein the first row driver and the
2 second row driver are active during the same cycle of the display system.

1 19. The display system of Claim 18 wherein the first row driver and the
2 second row driver are on the same side of the display.

1 20. The display system of Claim 19 wherein each of the plurality of
2 pixels include at least four of the plurality of column electrodes.

1 21. The display system of Claim 20 wherein each of the plurality of
2 pixels include at least eight of the plurality of column electrodes.